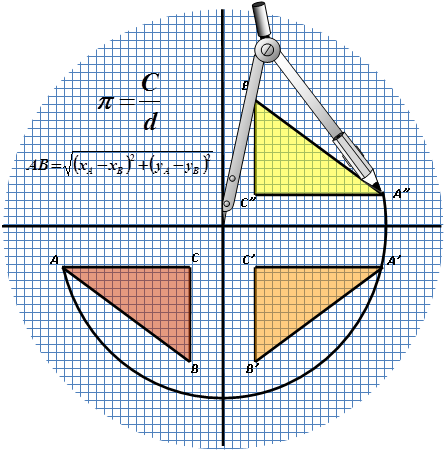
**

*Geometry*

Course Syllabus

2015-2016

*Rebecca Rapoport*

[*rrapoport@latinpcs.org*](mailto:rrapoport@latinpcs.org)

*781-454-6595 (text message or call)*

**What is this course about?**

Math is about relationships. In geometry, we study the properties of geometrical objects—such as lines, circles, angles and polygons—and the relationships between them. We study these objects, so that we can use them in models that help us to understand the real world around us.

**What will the curriculum look like?**

Our curriculum is aligned with the Common Core State Standards for Mathematics and culminates in the Partnership for Assessment of Readiness for College and Careers (PARCC). What does that mean to you? You may notice some differences in the way you are asked to learn in this course, compared to math classes you have taken before Washington, DC adopted the Common Core State Standards. In particular, you will be asked to take on challenging and meaningful problems that you *have not already been taught to solve* and work—either on your own or as a member of a collaborative team—toward a creative solution. If this makes you uncomfortable at first, be open-minded. You will learn more, and you will develop skills and attitudes that can help you be successful in college and in the workplace.

We will cover seven units:

1. Introduction to Geometry
2. Introduction to Proofs and Constructions
3. Polygons
4. Similarity and Trigonometry
5. Transformations
6. Circles
7. Volume/Third Dimension

**Course Web Site**

* **Our class Wiki -** The class page is your first stop for resources, including: syllabus, homework, answer keys, course notes, and links to Geometry resources.

**Grading Scale**

A 90-100% • B 80 – 89% • C 70 – 79% • D 64 – 69% • F 0 – 63%

**Method of Evaluation**

Assessments: 45%

Projects: 25%

Homework: 15%

Participation: 15%

*How do you grade my homework?*

* + Summary: 2 points per homework assignment
  + Detail:
    - Homework will be checked daily for completion. You will get between 0 and 2 points. Late homework will receive a maximum of 1 point (still a lot better than 0!).
    - I will usually not collect homework because we will go over it in class and I want you to use it as a resource for practice and review.

*What counts toward my daily participation grade?*

* + Summary: warm up + class presence + humanity point = 5 points
  + Detail:
    - Warm up: You will earn between 0 and 2 points for your warm up based on completion and based on focus. To get a 2 on your warm up you will 1) have finished it, or be on your way to finishing it, 2) have worked silently on it, and 3) have arrived on time (you can earn a maximum of 1 point if you have an unexcused tardy).
    - Class presence: Following directions, actively listening, coming to class on time, almost always having class materials, effort, effort, effort! These actions will help you earn 2 more points toward your participation grade.
    - Humanity point: We talked about humanity and its importance in our classroom. You can earn your 1 humanity point by being respectful in class. Easy, right?

**Re-Test Policy**

* You may retake quizzes for a new score by making an appointment at tutorial or an available lunchtime. This gives me an opportunity to help you.
* Unit tests or other major tests are “game day”. It is not my policy to allow retests, so ask for help early if you need it and come prepared to do your best!

**Late Assignments**

* Homework can be turned in late for half credit (assuming it is complete).
* A project grade will be reduced by 15% for every day it is late.

**Required Materials**

* Course folder: Please be sure it is a folder with pockets, dedicated to Geometry only. If you prefer a binder, that is fine as well.
* Notebook paper
* Pencils and erasers
* Calculator. Please bring a scientific calculator with you every day.
* If you have any questions or concerns about supplies, please see Ms. Rapoport.

**Classroom Expectations**

* Be *punctual*
  + Be inside the classroom and ready to begin at the start time.
* Be *prepared*.
  + Arrive to class with your folder/binder, pencil, calculator, and completed homework or other assignments that are due.
* Be *polite*.
  + Be respectful to your fellow classmates.
* Be *positive.*
  + Show that you believe in the abilities of yourself and your classmates to succeed!
* Be *present.*
  + If you miss a class, see me, or the Wiki, promptly to make up missed work.
* Hateful comments and name-calling will not be tolerated. This applies to “joking” as well as serious comments concerning race, gender, sexuality, appearance or other personal qualities that offend or belittle another member of our community.
* Cell phones, iPods, and all other electronic devices (other than calculators) must be turned off/silenced in class.
* When given an in-class assignment, please go to work promptly and do your best.
* Pay attention when I am instructing the class. Please show me that I have your full attention by ending any side conversations and by making occasional eye contact.
* **Help each other! During most classwork assignments, you will be allowed, and encouraged, to work with your classmates. If you feel comfortable completing an assignment, check in on your neighbor and see if he/she could use some help. If you can explain a concept, you are much more likely to retain it!**